COMPUTATION OF ASTRONOMIC AZIMUTH BY THE ARTY ASTRO METHOD (FED MSR)

For use of this form, see FM 6-2; the proponent agency is TRADOC.

COMPUTER:	NOTEBOOK REFERENCE:	DATE:
CHECKER:	AREA:	SHEET OF SHEETS

INSTRUCTIONS	NOTES
1. Select SURVEY CALC (option B) from the MODE MENU.	1. Press ENTER to display the window of legal entries.
2. Select ARTY ASTRO (SUN) (option O) or STAR (option P) from the SURVEY CALCULATIONS MENU.	2. Enter field data in blocks marked ▶ ⬚
3. Select the desired record from the ARTY ASTRO SUN/STAR SUMMARY LIST.	3. Remove window of legal entries by pressing ENTER before pressing the C key to calculate.
4. Observe the required fields, and enter the desired data.	

REQUIRED FIELDS	DATA RECORD	
ENTER NAME OBS STATION: ?	NAME OBS STATION:	APPROX AZIMUTH TO AZIMUTH MARK:
ENTER EAST OBS STATION: ?	EASTING OBS STATION:	
ENTER NORTH OBS STATION: ?	NORTHING OBS STATION:	
ENTER NAME AZIMUTH MARK: ?	NAME AZ MK:	

ENTER SPHEROID CODE/NAME: ?
    1=CLARKE 1866
    2=INTERNATIONAL
    3=CLARKE 1880
    4=EVEREST
    5=BESSEL
    6=AUSTRALIAN
    7=WGS-72
    8=GRS-80
	SPHEROID:	

REQUIRED FIELDS	DATA RECORD		
HEMISPHERE (N/S): ?	ENTER N or S		
ENTER/RECORD STAR NO/NAME: ?	STAR NO: STAR NAME:		
ENTER GRID ZONE: ?	GRID ZONE:		
DAYLT SAVINGS TIME (Y/N): ?	ENTER Y or N		
ENTER TIME ZONE LETTER: ?	TIME ZONE LETTER:		
USE TIME MODULE (Y/N): ?	ENTER Y or N		
4TH OR 5TH ORDER: ?	ENTER 4 or 5		
ENTER DIRECT READ TO AZMK: ?	(D) RDG AZMK: ▶		
ENTER/RECORD OBS DATE: ?	DATE: dd | mm | yy ▶	DATE: dd | mm | yy ▶	DATE: dd | mm | yy ▶
ENTER/RECORD OBS TIME: ?	TIME: hh | mm | ss ▶	TIME: hh | mm | ss ▶	TIME: hh | mm | ss ▶
ENTER OBS POSITION AT TIP: ? A=TRAILING EDGE B=LEADING EDGE C=CENTER	ENTER A, B, or C:	ENTER A, B, or C:	ENTER A, B, or C:
ENTER DIRECT HORZ READING AT TIP: ?	HORZ RDG (D): ▶	HORZ RDG (D): ▶	HORZ RDG (D): ▶
RECORD GRID AZ TO AZ MK: ?	GRID AZ:		

REMARKS:

APD LC v1.00

ALPHABETICAL STAR LIST

STAR NAME	NO	MAG	STAR NAME	NO	MAG	STAR NAME	NO	MAG
ACAMAR	12	3.4	CAPH	2	2.4	MIRFAK	14	1.9
ACHERNAR	9	0.5	CASTOR	28	1.5	MIZAR	46	2.4
ACRUX	42	1.0	DENEB	68	1.3	NUNKI	65	2.1
ADHARA	26	1.6	DENEBOLA	39	2.2	NU	69	3.7
ALDEBARAN	15	1.1	DIPHDA	6	2.2	PEACOCK	67	2.1
ALHENA	24	1.9	DSCHUBBA	56	2.5	PHECDA	40	2.5
ALIOTH	45	1.7	DUBHE	38	1.9	POLARIS	10	2.1
ALKAID	48	1.9	ELNATH	19	1.8	POLLUX	30	1.2
AL NA 'IR	71	2.2	ELTANIN	62	2.4	PROCYON	29	0.5
ALNILAM	20	1.7	ENIF	70	2.5	RASALHAGUE	51	2.1
ALNITAK	21	2.0	FORMALHAUT	72	1.3	REGULUS	35	1.3
ALPHARD	35	2.2	GACRUX	43	1.6	RIGEL	16	0.3
ALPHECCA	55	2.3	GAMMA CASSIOPEIAE	7	1.6-2.8	RIGIL KENTAURUS	52	0.1
ALPHERATZ	1	2.1	GAMMA VELORUM	31	1.9	RUCHBUH	8	2.8
ALTAIR	66	0.9	GIENAH	41	2.8	SABIK	59	2.6
ANKAA	4	2.4	HADAR	49	0.8	SCAULA	60	1.7
ANTARES	57	1.2	HAMAL	11	2.2	SCHEDAR	5	2.3
ARCTURUS	51	0.2	KAUS AUSTRALIS	63	1.9	SIRIUS	25	-1.6
ATRIA	58	1.9	KOCHAB	54	2.2	SPICA	47	1.2
AVOIR	32	1.7	MARKAB	73	2.6	SUHAIL	33	2.2
BELLATRIX	18	1.7	MENKAR	13	2.8	VEGA	64	0.1
BETA HYDRUS	3	2.9	MENKENT	50	2.3	WEZEN	27	2.0
BETELGEUSE	22	0.1	MEPAK	37	2.4	ZEBENELGENUBI	53	2.9
CANOPUS	23	-0.9	MISPLACIDUS	34	1.8			
CAPELLA	17	0.2	MIMOSA	44	1.5			

REMARKS: